

#17



1600

RE-RUN

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/775,743B

DATE: 04/22/2003

TIME: 15:03:39

Input Set : N:\vernette\US09775743B.raw

Output Set: N:\CRF4\04222003\I775743B.raw

1 <110> APPLICANT: Tchistiakova, Lioudmila
 2 <120> TITLE OF INVENTION: LIGAND FOR VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
 3 <130> FILE REFERENCE: 082181-36154
 C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/775,743B
 5 <141> CURRENT FILING DATE: 2001-02-02
 6 <150> PRIOR APPLICATION NUMBER: 60/180,568
 7 <151> PRIOR FILING DATE: 2000-02-04
 8 <160> NUMBER OF SEQ ID NOS: 32
 9 <170> SOFTWARE: PatentIn version 3.1
 11 <210> SEQ ID NO: 1
 12 <211> LENGTH: 16
 13 <212> TYPE: PRT
 14 <213> ORGANISM: Artificial
 15 <220> FEATURE:
 16 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e. coli
 17 <220> FEATURE:
 18 <221> NAME/KEY: MOD_RES
 19 <222> LOCATION: (16)..(16)
 20 <223> OTHER INFORMATION: AMIDATION
 21 <400> SEQUENCE: 1
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 23 1 5 10 15
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 33 <222> LOCATION: (17)..(17)
 34 <223> OTHER INFORMATION: AMIDATION
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 38 Tyr
 40 <210> SEQ ID NO: 3
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 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e. coli
 46 <220> FEATURE:

ENTERED

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\04222003\I775743B.raw

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48 <222> LOCATION: (1)..(1)
49 <223> OTHER INFORMATION: ACETYLATION
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52 <222> LOCATION: (17)..(17)
53 <223> OTHER INFORMATION: AMIDATION
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64 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e. coli
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66 <221> NAME/KEY: MOD_RES
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68 <223> OTHER INFORMATION: AMIDATION
69 <220> FEATURE:
70 <221> NAME/KEY: MOD_RES
71 <222> LOCATION: (1)..(1)
72 <223> OTHER INFORMATION: FLUORESCCEIN 5 CARBONYL
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75     1                               5                10                15
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81 <220> FEATURE:
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85 <222> LOCATION: (1)..(1)
86 <223> OTHER INFORMATION: FLUORESCCEIN-5-CARBONYL
87 <220> FEATURE:
88 <221> NAME/KEY: MOD_RES
89 <222> LOCATION: (19)..(19)
90 <223> OTHER INFORMATION: AMIDATION
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93     1                               5                10                15
94     Gly Met Tyr
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 15
98 <212> TYPE: PRT

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99 <213> ORGANISM: Artificial
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101 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e.
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105 <223> OTHER INFORMATION: FLUORESCCEIN-5-CARBONYL
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107 <221> NAME/KEY: MOD_RES
108 <222> LOCATION: (15)..(15)
109 <223> OTHER INFORMATION: AMIDATION
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123 <223> OTHER INFORMATION: Xaa =any amino acid
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (7)..(9)
127 <223> OTHER INFORMATION: Xaa =any amino acid
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130 <222> LOCATION: (11)..(15)
131 <223> OTHER INFORMATION: Xaa =any amino acid
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134      1              5              10              15
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 16
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial
140 <220> FEATURE:
141 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e.
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142 <220> FEATURE:
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145 <223> OTHER INFORMATION: Xaa= Asn or Gln
146 <220> FEATURE:
147 <221> NAME/KEY: MISC_FEATURE
148 <222> LOCATION: (2)..(3)
149 <223> OTHER INFORMATION: Xaa= Any amino acid

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Input Set : N:\vernette\US09775743B.raw

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 151 <221> NAME/KEY: MISC_FEATURE
 152 <222> LOCATION: (4)..(4)
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 161 <223> OTHER INFORMATION: Xaa= Glu or Asp
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 164 <222> LOCATION: (7)..(9)
 165 <223> OTHER INFORMATION: Xaa= any amino acid
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 170 <220> FEATURE:
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 173 <223> OTHER INFORMATION: Xaa= any amino acid
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 175 <221> NAME/KEY: MISC_FEATURE
 176 <222> LOCATION: (16)..(16)
 177 <223> OTHER INFORMATION: Xaa= Trp, Phe, Tyr or His
 178 <400> SEQUENCE: 8

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 180 1 5 10 15
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 183 <211> LENGTH: 69
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 185 <213> ORGANISM: Artificial
 186 <220> FEATURE:
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 190 gcgcttctg 69
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 195 <213> ORGANISM: Artificial
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 200 gcgcttctg 69

RAW SEQUENCE LISTING

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Input Set : N:\vernette\US09775743B.raw

Output Set: N:\CRF4\04222003\I775743B.raw

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202 <210> SEQ ID NO: 11
203 <211> LENGTH: 69
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213 <211> LENGTH: 10
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
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218 <400> SEQUENCE: 12
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224 <213> ORGANISM: Artificial
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238      1          5          10          15
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241 <211> LENGTH: 16
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248      1          5          10          15
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 16
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial
254 <220> FEATURE:
255 <223> OTHER INFORMATION: chemical peptide synthesis and biosynthesis utilizing e.
coli

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/775,743B

DATE: 04/22/2003
TIME: 15:03:40

Input Set : N:\vernette\US09775743B.raw
Output Set: N:\CRF4\04222003\I775743B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 2,3,7,8,9,11,12,13,14,15
Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,16
Seq#:2; Line(s) 30
Seq#:3; Line(s) 45
Seq#:4; Line(s) 64
Seq#:5; Line(s) 82
Seq#:6; Line(s) 101
Seq#:7; Line(s) 119
Seq#:8; Line(s) 141
Seq#:14; Line(s) 235
Seq#:15; Line(s) 245
Seq#:16; Line(s) 255
Seq#:17; Line(s) 265
Seq#:18; Line(s) 275
Seq#:19; Line(s) 285
Seq#:20; Line(s) 295
Seq#:21; Line(s) 305
Seq#:22; Line(s) 315
Seq#:23; Line(s) 325
Seq#:24; Line(s) 335
Seq#:25; Line(s) 345
Seq#:26; Line(s) 355
Seq#:27; Line(s) 365
Seq#:28; Line(s) 375
Seq#:29; Line(s) 385

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/775,743B

DATE: 04/22/2003

TIME: 15:03:40

Input Set : N:\vernette\US09775743B.raw

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L:4 M:270 C: Current Application Number differs, Wrong Format

L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0